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**Physiological pedagogy.**—Though the notice is belated, a pamphlet by SCHLEICHERT,<sup>5</sup> illustrating the sort of instruction in plant behavior which he considers adapted to the eighth or ninth school year, deserves mention. The fundamental processes in germination, absorption, transpiration, photosynthesis, and respiration, are presented in simple fashion. There are appendices (1) giving a list of plants adapted for observation in the school garden; (2) on biological collections of plants; and (3) on simple methods (mostly devised by the author) for recognizing various plant stuffs.—C. R. B.

**Diatoms of the Pacific.**—MANN<sup>6</sup> has published the results of his investigation of the diatoms collected by the Albatross of the U. S. Bureau of Fisheries, during its fishery and deep-sea investigations in the Pacific in the years 1888–1904. The contribution contains a synoptical catalogue of the species, the data of the stations at which the diatoms were collected, and a very useful bibliography. The 51 genera recognized include 298 species, 41 of which are described as new. The large genera are *Navicula* (54), *Coscinodiscus* (34), and *Biddulphia* (30).—J. M. C.

**Portraits of botanists.**—The third and fourth parts of DÖRFLER'S series of portraits of botanists have been issued. A description of the general character of the series was given in this journal (42:496. 1906) upon the appearance of the first two parts. The third part contains the portraits of RUDBECK, LINNÉ (4), HALLER (2), SCOPOLI, JACQUIN, and ALLIONI; the fourth part, WULFEN, INGENHOUSZ, HEDWIG, GAERTNER, KÖLREUTER, SCHREBER, PALLAS, EHRHART, THUNBERG, and LAMARCK.—J. M. C.

**Engler's Syllabus.**—That the development of our knowledge of the relationships of plants is very rapid is evidenced by the appearance of the fifth edition of ENGLER'S *Syllabus*.<sup>7</sup> The most recent information about Cycadofilices was even so recent that it was inserted by means of a paster. It is a great boon to botanists that this publication keeps so well abreast of current knowledge, for it is a volume of daily consultation in every working laboratory.—J. M. C.

**Flora of the Canadian Rockies.**—Miss FARR<sup>8</sup> has brought together the plants of this interesting region collected by herself and reported by other botanists, and has presented a list of 763 species of vascular plants, 38 of which are pteridophytes, and 15 gymnosperms.—J. M. C.

<sup>5</sup> SCHLEICHERT, F., *Bieträge zur Methodik des botanischen Unterrichts* (Sammlung Naturwissenschaftlich-pädagogischer Abhandlungen, Band 2, Heft 3). Imp. 8vo. pp. iv + 48. Leipzig and Berlin: B. G. Teubner. 1905. *M* 1.

<sup>6</sup> MANN, ALBERT, Report on the diatoms of the Albatross voyages in the Pacific Ocean, 1888–1904. *Contrib. U. S. Nat. Herb.* 10:221–419. *pls.* 44–54. 1907.

<sup>7</sup> ENGLER, ADOLF, *Syllabus der Pflanzenfamilien*. pp. xxviii + 248. Berlin: Gebrüder Borntraeger. 1907. *M* 4.40.

<sup>8</sup> FARR, EDITH M., Contributions to a catalogue of the flora of the Canadian Rocky Mountains and the Selkirk Range. *Contrib. Bot. Lab. Univ. Penn.* 3:1–88. 1907.